

Asphalt Shingle and Coating Materials Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
324122, Asphalt shingle and coating materials manufacturing	2002..	121	206	11 792	520 905	8 659	18 363	351 431	2 536 099	3 293 813	5 778 253	218 412
	2001..	N	N	12 204	491 705	9 049	20 032	315 056	2 288 283	3 000 579	5 237 998	107 845
	2000..	N	N	12 649	501 948	9 381	20 439	318 140	2 218 153	3 272 707	5 512 220	125 332
	1999..	N	N	12 969	516 929	9 754	22 083	339 206	2 189 099	3 022 075	5 181 985	116 873
	1998..	N	N	13 302	522 682	9 863	22 689	343 954	2 108 026	3 215 613	5 350 039	150 467
	1997..	151	250	13 355	499 327	9 957	21 939	336 747	2 032 985	3 072 449	5 094 581	149 938

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324122, Asphalt shingle and coating materials manufacturing												
United States	—	206	113	11 792	520 905	8 659	18 363	351 431	2 536 099	3 293 813	5 778 253	218 412
Alabama	—	7	6	806	38 371	605	1 336	25 531	164 091	211 603	367 917	26 930
California	—	24	14	1 014	47 175	791	1 605	33 949	251 589	348 114	602 040	17 370
Florida	—	10	3	323	15 393	205	478	8 405	52 458	109 558	159 081	13 553
Georgia	—	11	7	635	29 421	523	1 205	22 539	129 768	215 677	345 066	6 373
Illinois	—	13	6	638	27 057	364	793	12 234	148 586	152 561	297 722	4 068
Maryland	—	4	3	398	19 758	324	698	15 121	121 159	176 257	297 708	8 037
Minnesota	—	6	4	520	26 270	341	760	16 410	81 257	140 923	215 125	37 259
Ohio	1	16	8	948	43 595	752	1 705	33 294	262 842	265 370	516 624	7 623
Pennsylvania	—	13	8	612	26 797	483	930	19 346	141 880	197 932	333 555	15 289
Texas	—	21	12	1 338	56 516	949	1 930	39 635	275 761	425 258	701 806	14 714
Washington	—	5	3	297	11 951	158	372	4 835	41 165	58 875	100 502	650

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
324122, Asphalt shingle and coating materials manufacturing	
Companies ¹	number.. 121
All establishments ²	number.. 206
Establishments with 1 to 19 employees	number.. 93
Establishments with 20 to 99 employees	number.. 68
Establishments with 100 employees or more	number.. 45
All employees ³	number.. 11 792
Total compensation	\$1,000.. 643 244
Annual payroll	\$1,000.. 520 905
Total fringe benefits	\$1,000.. 122 339
Production workers, average for year	number.. 8 659
Production workers on March 12	number.. 8 463
Production workers on May 12	number.. 8 753
Production workers on August 12	number.. 8 874
Production workers on November 12	number.. 8 516
Production worker hours	1,000.. 18 363
Production worker wages	\$1,000.. 351 431
Total cost of materials	\$1,000.. 3 293 813
Materials, parts, containers, packaging, etc., used	\$1,000.. 2 992 448
Resales	\$1,000.. 188 864
Purchased fuels	\$1,000.. 56 539
Purchased electricity	\$1,000.. 43 288
Contract work	\$1,000.. 12 674
Quantity of electricity purchased for heat and power	1,000 kWh.. 733 168
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 5 778 253
Primary products value of shipments	\$1,000.. 5 293 944
Secondary products value of shipments	\$1,000.. 255 306
Total miscellaneous receipts	\$1,000.. 229 003
Value of resales	\$1,000.. 216 786
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 5 352 535
Value of primary products shipments made in this industry	\$1,000.. 5 293 944
Value of primary products shipments made in other industries	\$1,000.. 58 591
Coverage ratio	percent.. 99
Value added	\$1,000.. 2 536 099
Total inventories, beginning of year	\$1,000.. 362 124
Finished goods inventories	\$1,000.. 254 001
Work-in-process inventories	\$1,000.. 6 668
Materials and supplies inventories	\$1,000.. 101 455
Total inventories, end of year	\$1,000.. 421 992
Finished goods inventories	\$1,000.. 304 362
Work-in-process inventories	\$1,000.. 7 966
Materials and supplies inventories	\$1,000.. 109 664
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 977 482
Total capital expenditures (new and used)	\$1,000.. 218 412
Buildings and other structures (new and used)	\$1,000.. 18 589
Machinery and equipment (new and used)	\$1,000.. 199 823
Automobiles, trucks, etc., for highway use	\$1,000.. 3 504
Computers and peripheral data processing equipment	\$1,000.. 5 548
All other expenditures for machinery and equipment	\$1,000.. 190 771
Total retirements	\$1,000.. 61 615
Gross value of depreciable assets at end of year	\$1,000.. 2 134 279
Depreciation charges during year	\$1,000.. 108 727
Total rental payments	\$1,000.. 46 229
Buildings and other structures	\$1,000.. 24 381
Machinery and equipment	\$1,000.. 21 848
Total other expenses ⁴	\$1,000.. 197 685
Response coverage ratio ⁵	percent.. 77
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 50 267
Communications services ⁴	\$1,000.. 3 744
Legal services ⁴	\$1,000.. 1 752
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 485
Advertising and promotional services ⁴	\$1,000.. 1 888
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 183
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 17 362
Management consulting and administrative services ⁴	\$1,000.. 6 085
Taxes and license fees ⁴	\$1,000.. 10 375
All other expenses ⁴	\$1,000.. 103 313

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324122, Asphalt shingle and coating materials manufacturing											
All establishments	—	206	11 792	520 905	8 659	18 363	351 431	2 536 099	3 293 813	5 778 253	218 412
Establishments with—											
1 to 4 employees	7	40	97	3 897	75	157	2 825	19 726	26 786	46 298	2 642
5 to 9 employees	4	22	c	D	D	D	D	D	D	D	D
10 to 19 employees	2	31	426	16 291	314	653	10 953	72 842	191 825	263 874	18 469
20 to 49 employees	1	34	1 043	42 680	787	1 653	27 686	282 327	297 629	580 210	23 487
50 to 99 employees	—	34	2 551	114 158	1 825	3 765	72 336	614 958	895 585	1 496 305	68 092
100 to 249 employees	—	42	6 318	282 878	4 613	9 903	195 173	1 259 372	1 560 606	2 782 720	84 588
250 to 499 employees	5	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	52	268	11 386	216	465	8 505	53 665	69 662	123 320	4 649

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
324122	Asphalt shingle and coating materials manufacturing	206	11 792	520 905	8 659	18 363	351 431	2 536 099	3 293 813	5 778 253	218 412
3241221	Roofing asphalts and pitches, coatings, and cements	45	1 347	55 461	908	1 772	33 792	332 730	528 476	856 615	31 319
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	94	9 845	440 468	7 268	15 637	298 900	2 119 635	2 662 998	4 737 728	179 273

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
324122	Asphalt shingle and coating materials manufacturing	2002.. N 1997.. N	X X	X X	5 352 535 4 724 254
3241221	Roofing asphalts and pitches, coatings, and cements	2002.. N 1997.. N	X X	X X	868 375 857 622
32412211	Roofing asphalt	2002.. N 1997.. N	X X	X X	485 531 456 517
3241221111	Roofing asphalt	2002.. 22 1997.. 22	X X	S S	485 531 456 517
32412212	Fibrated and nonfibrated asphaltic roofing coatings	2002.. N 1997.. N	X X	X X	191 802 167 379
3241221221	Fibrated asphaltic roofing coatings	2002.. 12 1997.. 13	X X	S S	146 752 105 569
3241221231	Nonfibrated asphaltic roofing coatings	2002.. 5 1997.. 11	X X	S S	45 050 61 810
32412213	Other roofing asphalts and pitches, coatings, and cements	2002.. N 1997.. N	X X	X X	182 413 210 558
3241221341	Asphaltic roofing cements	2002.. 6 1997.. 12	X X	X X	31 961 56 139
3241221351	Other roofing asphalts and pitches, coatings, and cements, including coal tar base coatings, cements, and roofing pitch	2002.. 16 1997.. 22	X X	X X	150 452 154 419
3241221Y	Roofing asphalts and pitches, coatings, and cements, nsk	2002.. N 1997.. N	X X	X X	8 629 23 168
3241221YVV	Roofing asphalts and pitches, coatings, and cements, nsk	2002.. N 1997.. N	X X	X X	8 629 23 168
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	2002.. N 1997.. N	X X	X X	4 296 038 3 588 157
32412221	Asphalt smooth-surfaced roll roofing and cap sheets, organic and fiberglass base	2002.. N 1997.. N	X X	X X	570 289 243 658
3241222121	Asphalt smooth-surfaced roll roofing and cap sheets, organic base	2002.. 7 1997.. 11	X X	S S	387 561 88 586
3241222131	Asphalt smooth-surfaced roll roofing and cap sheets, fiberglass base	2002.. 14 1997.. 10	X X	S S	182 728 155 072
32412222	Asphalt mineral-surfaced roll roofing and cap sheets, organic and fiberglass base	2002.. N 1997.. N	X X	X X	136 519 163 691
3241222241	Asphalt mineral-surfaced roll roofing and cap sheets, organic base	2002.. 4 1997.. 9	X X	D -	D 62 443
3241222251	Asphalt mineral-surfaced roll roofing and cap sheets, fiberglass base	2002.. 11 1997.. 13	X X	D S	D 101 248
324122223	Asphalt strip shingles, organic base (excluding laminated), all weights	2002.. N 1997.. N	X X	X X	280 053 301 708
3241222361	Asphalt strip shingles, organic base (excluding laminated), 235 to 240 lb-sales sq	2002.. 4 1997.. 7	X X	S P6.0	63 236 115 960
3241222371	Asphalt strip shingles, organic base (excluding laminated), all other weights	2002.. 6 1997.. 7	X X	S S	216 817 185 748
32412224	Asphalt strip shingles, inorganic base (excluding laminated), 215 to 235 lb-sales sq	2002.. N 1997.. N	X X	X X	392 652 587 203
3241222481	Asphalt strip shingles, inorganic base (excluding laminated), 215 to 235 lb-sales sq	2002.. 7 1997.. 13	X X	916.7 932.7	392 652 587 203
32412225	Asphalt strip shingles, inorganic base (excluding laminated), all other weights	2002.. N 1997.. N	X X	X X	540 167 610 722
3241222591	Asphalt strip shingles, inorganic base (excluding laminated), all other weights	2002.. 7 1997.. 10	X X	S 934.2	540 167 610 722
32412226	Laminated or multilayered asphalt strip shingles, and individual shingles	2002.. N 1997.. N	X X	X X	1 382 881 882 986
32412226A1	Laminated or multilayered asphalt strip shingles, organic or inorganic base	2002.. 9 1997.. 15	X X	P28.4 D	850 486 D
32412226B1	Asphalt and tar individual shingles, organic or inorganic base, all styles	2002.. 7 1997.. 4	X X	S D	532 395 D
32412227	Other prepared asphalt and tar products for roofing and siding	2002.. N 1997.. N	X X	X X	852 200 770 906
3241222711	Asphalt and tar saturated felts and boards for nonbuilding use	2002.. 8 1997.. 1	X X	X X	122 547 D
32412227C1	Modified bitumen membranes, styrene butadiene styrene (SBS)	2002.. 14 1997.. 10	X X	S 5.2	161 542 144 853
32412227D1	Modified bitumen membranes, atactic polypropylene (APP)	2002.. 8 1997.. 10	X X	S 4.0	150 849 107 512
32412227E1	Saturated asphalt and tar building ply felts, organic base	2002.. 5 1997.. 5	X X	X X	40 640 46 228
32412227F1	Saturated asphalt and tar building ply felts, fiberglass base	2002.. 4 1997.. 9	X X	X X	45 033 D
32412227G1	Other saturated asphalt and tar building felts, organic base	2002.. 9 1997.. 12	X X	X X	214 605 171 231
32412227H1	Other saturated asphalt and tar building felts, fiberglass base	2002.. 5 1997.. 6	X X	X X	14 870 58 580

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
324122	Asphalt shingle and coating materials manufacturing—Con.				
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use—Con.				
32412227	Other prepared asphalt and tar products for roofing and siding—Con.				
32412227J1	Other prepared asphalt and tar products for roofing and siding	2002.. 9	X	X	102 114
	1997.. 20		X	X	170 355
3241222Y	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use, nsk	2002.. N	X	X	141 277
	1997.. N		X	X	27 283
3241222YWV	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use, nsk	2002.. N	X	X	141 277
	1997.. N		X	X	27 283
324122W	Asphalt shingle and coating materials manufacturing, nsk, total	2002.. N	X	X	188 122
	1997.. N		X	X	278 475
324122WY	Asphalt shingle and coating materials manufacturing, nsk, total	2002.. N	X	X	188 122
	1997.. N		X	X	278 475
324122WYWW	Asphalt shingle and coating materials manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	68 841
	1997.. N		X	X	168 863
324122WYWY	Asphalt shingle and coating materials manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	119 281
	1997.. N		X	X	109 612

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3241221	Roofing asphalts and pitches, coatings, and cements	
	United States..... 2002..	868 375
	..... 1997..	857 622
	California..... 2002..	185 244
	..... 1997..	112 432
	Florida..... 2002..	33 180
	..... 1997..	27 183
	Illinois..... 2002..	39 231
	..... 1997..	47 916
	Ohio..... 2002..	119 109
	..... 1997..	122 235
	Pennsylvania..... 2002..	33 546
	..... 1997..	89 709
	Texas..... 2002..	159 170
	..... 1997..	74 889
3241222	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use	
	United States..... 2002..	4 296 038
	..... 1997..	3 588 157
	Alabama..... 2002..	333 013
	..... 1997..	263 341
	California..... 2002..	367 721
	..... 1997..	373 454
	Georgia..... 2002..	316 139
	..... 1997..	225 929
	Illinois..... 2002..	203 208
	..... 1997..	178 077
	Maryland..... 2002..	237 377
	..... 1997..	N
	Minnesota..... 2002..	141 464
	..... 1997..	207 369
	Ohio..... 2002..	366 078
	..... 1997..	320 359
	Pennsylvania..... 2002..	273 318
	..... 1997..	136 317
	Texas..... 2002..	469 718
	..... 1997..	398 989

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
324122	Asphalt shingle and coating materials manufacturing		
00900001	Total materials	X	2 992 448
32212033	Roofing felts, unsaturated 1,000 s tons ..	X	2 779 247
32799203	Roofing granules 1,000 s tons ..	S	149 052
	1997 ..	S	152 890
	1997 ..	q5 085.0	416 550
	1997 ..	q5 360.3	427 847
32721205	Glass fiber (textile type, bonded mat type, etc.) mil lb ..	q693.8	424 874
32411025	Asphalts, paving grade mil bbl ..	q614.0	368 335
32411027	Asphalts, roofing grade mil bbl ..	q2.1	63 531
	1997 ..	q4.1	96 053
	1997 ..	S	845 429
	1997 ..	S	718 578
32411029	Asphalts (excluding paving and roofing grades) mil bbl ..	q1.1	40 426
21232003	Sand and gravel 1,000 s tons ..	S	68 713
00970099	All other materials and components, parts, containers, and supplies	S	57 039
00971000	Materials, ingredients, containers, and supplies, nsk	P2 777.9	53 676
	1997 ..	X	719 298
	1997 ..	X	646 875
	1997 ..	X	276 249
	1997 ..	X	246 280

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.